

Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

MMC2/1106

LEO J AUBEL 111 RIVERSHIRE LANE LINCOLNSHIRE IL 60069

·	ATION NO	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROU	P ART UNIT		ATE MAILED
APPLIC	ATION NO.		/99 010	KIKNADZE, I	:	£876	11/06/0
	09/383,2	26 00720	·	150 154(b) term	ext. =	n Days	5 •
First Named Applicant	KIRK,	<u> </u>			<u> </u>	1	
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THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

- I. Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
 - A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
 - B. If the status is the same, pay the FEE DUE shown above.
- If the SMALL ENTITY is shown as NO:
- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.
- II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.
 - III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

MPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

TOL-85 (REV. 10-96) Approved for use through 06/30/99. (0651-0033)

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	Application No.	Applicant(s)	
	09/383,226	KIRK, RANDOL E.	
Notice of Allowability	Examiner	Art Unit	
	Irakli Kiknadze	2876	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance and Issue	ears on the cover s (OR REMAINS) CL	sheet with the correspondence address OSED in this application. If not included	course.
 This communication is responsive to <u>08/26/1999</u>. The allowed claim(s) is/are <u>1-10</u>. The drawings filed on are acceptable. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the CERTIII received. received in Application No. (Series Code / Setain series = Code / Setain	FIED copies of the perial Number). m the International E	riority documents have been Bureau (PCT Rule 17.2(a))	
A SHORTENED STATUTORY PERIOD FOR REPLY to comply THREE MONTHS FROM THE "DATE MAILED" of this Office Act ABANDONMENT of this application. Extensions of time may be	with the requirement tion. Failure to timel	s noted below is set to EXPIRE y comply will result in	
6. Note the attached EXAMINER'S AMENDMENT or NOTICE the oath or declaration is deficient. A SUBSTITUTE OAT			why
 7.	rson's Patent Drawir	ng Review(PTO-948) attached, which has been approved by the examiner.	
Identifying indicia such as the application number (see 3 drawings. The drawings should be filed as a separate partsperson.	37 CFR 1.84(c)) sho aper with a transmi	uld be written on the reverse side of the ttal letter addressed to the Official	
8. Note the attached Examiner's comment regarding REQUI	IREMENT FOR THE	DEPOSIT OF BIOLOGICAL MATERIAL.	
Any reply to this letter should include, in the upper right hand cor applicant has received a Notice of Allowance and Issue Fee Due ALLOWANCE should also be included.	ner, the APPLICATI the ISSUE BATCH	ON NUMBER (SERIES CODE / SERIAL NUMB NUMBER and DATE of the NOTICE OF	ER). If
Attachment(s)			
1⊠ Notice of References Cited (PTO-892) 3⊠ Notice of Draftperson's Patent Drawing Review (PTO-948) 5□ Information Disclosure Statements (PTO-1449), Paper No 7□ Examiner's Comment Regarding Requirement for Deposit of Biological Material	4□ 6⊠ 8⊠	Notice of Informal Patent Application (PTO-152 Interview Summary (PTO-413), Paper No Examiner's Amendment/Comment Examiner's Statement of Reasons for Allowanc Other	. •

Application/Control Number: 09/383,226

Art Unit: 2876

DETAILED ACTION

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Examiner's amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Leo J. Aubel on November 2, 2000.

2. The application has been amended as follows:

With respect to claim 2, on line 3 " cannister " has been changed as -- transfusion bag - -.

With respect to claim 7:on line 7 "a" has been deleted, - - and second - - has been inserted after " first ", "tube" has been changed as - - tubes - -,on line 8 "a first surface" has been changed as - - opposite surfaces - -.

Drawings

3. The drawings filed on Fig.1-6 are acceptable subject to correction of the informalities indicated on the attached "Notice of Draftperson's Patent Drawing Review," PTO-948. In order to avoid abandonment of this application, correction is required.

Application/Control Number: 09/383,226

Art Unit: 2876

Allowable Subject Matter

- 4. Claims 1-10 are allowed.
- 5. The following is an examiner's statement of reasons for allowance:

Claims 1-10 are allowed because prior art fails to disclose or make obvious method of forming an X-ray irradiation for providing a uniform dose of X-ray beam irradiation to blood in a transfusion bag.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Clark, II (US Patent 4,321,918) disclosed process for suppressing immunity to transplants. Miripol et al. (US Patent 4,866,282) and Warkentin (US Patent 4,866,282) disclose methods and apparatus for exposing of blood products with ultraviolet radiation. Dillon (PCT WO-99/16308) disclose solar and full spectrum blood irradiation device and method.

Page 4

Application/Control Number: 09/383,226

Art Unit: 2876

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Irakli Kiknadze whose telephone number is (703) 305-6464. The examiner can normally be reached on M-F(8:30-5:00).

Irakli Kiknadze November 3, 2000

David P. Porta
Primary Examiner